

10/748,615

**EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	569	514/564.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:32
L2	5	1 and arginine.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:32
L3	12	1 and lysine.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:33
L4	1435	carnitine.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:33
L5	328	4 and composition.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:35
L6	895	514/58.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:35
L7	569	514/564.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:35
L8	1062	514/546.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:36
L9	1113	514/547.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:36

## EAST Search History

L10	14	6 and (7 8 9)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:36
S1	82	arginine same pyrrolidone same carboxylate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 16:41
S3	3070	lysine.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 17:51
S4	0	514/ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 17:51
S5	5675	hydrochloride.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 17:52
S6	0	S3 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 17:52
S10	1	cortisol same maltodextrin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 18:44
S11	58	cortisol and maltodextrin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 18:45
S12	4	S11 and hgh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/08 18:45
S13	1	arginine-2-pyrrolidone-5-carboxylate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/21 15:29

## EAST Search History

S14	22	arginine adj pyroglutamate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 14:32
S15	0	arginine adj 5-oxo-proline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 14:33
S16	10	"914342"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 14:33
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S18	14	"9801474"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 14:37
S19	2	"4388325".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 14:37
S20	2	cortisol adj suppressant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 15:55
S21	0	cortisol adj suppressent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 15:55
S22	0	cprtisol same (amino adj acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 15:55
S23	527	cortisol same (amino adj acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 15:56

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S24	5	S23 same (high somatotropin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:00
S25	59	S23 same uptake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 15:58
S26	3	S23 same reuptake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 15:58
S27	0	maltodextrin same (high somatotropin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:00
S28	0	carnatine same (high somatotropin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:00
S29	6	carnitine same (high somatotropin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:02
S30	30	high same cortisol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:09
S31	2	maltodextrin same cortisol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:24
S32	69	high same anabolic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:24
S33	49	cortisol same catabolic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:34

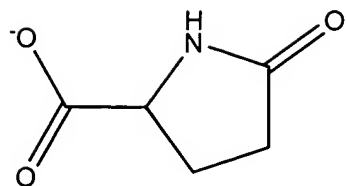
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S36	4	hgh same (nutritional adj supplement)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:44
S37	58	cortisol same carnitine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:45
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S39	220	acetyl adj carnitine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 17:24
S40	82	S39 and muscle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:46
S41	8	S39 same muscle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:47
S42	5	S39 and cortisol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:51
S43	9	S39 and catabolic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 16:53

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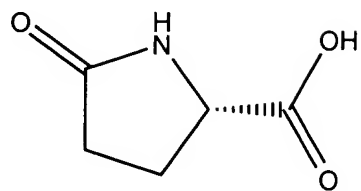
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S46	6842	nutritional adj supplement	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 17:14
S47	4	S46 same hgh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 17:15
S48	3	S46 same S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 17:16
S49	1	S46 same carnatine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 17:24
S50	233	S46 same carnitine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 17:25
S51	1534	mitochondria? same muscle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 17:26
S52	96	mitochondria? near2 muscle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/12 21:32

10/748,615

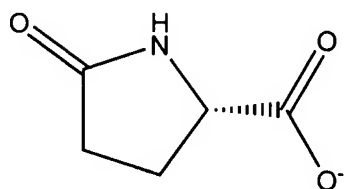


pyrrolidone-5-carboxylate

Caution: A net charge appears to be present

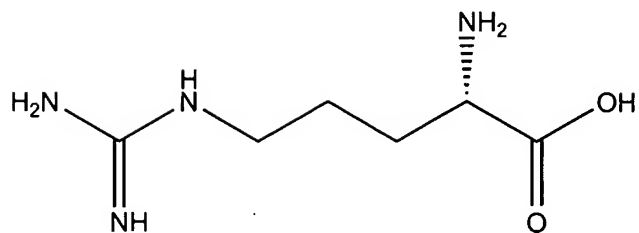
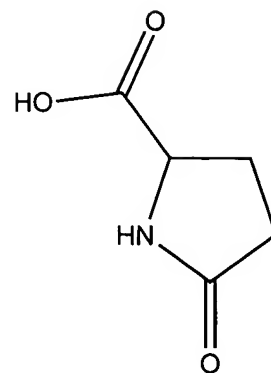


5-oxo-proline



pyroglutamate

Caution: A net charge appears to be present



arginine-2-pyrrolidone-5-carboxylate

Connecting via Winsock to STN

10/748,615

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- NEWS 20 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
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thesaurus added in PCTFULL
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- NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,  
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E 657-27-2/RN  
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E 64855-91-0/RN  
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E 3040-38-8/RN  
L3 1 S E3  
E 9050-36-6/RN  
L4 1 S E3

FILE 'CAPLUS' ENTERED AT 14:20:51 ON 09 MAY 2006

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13 L2  
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911 L3  
3508 L4  
L6 4417 L3 OR L4

=> s l5 and l6  
L7 1 L5 AND L6

=> d bib abs l7

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:570531 CAPLUS  
DN 143:83512  
TI Nutritional supplement for enhancing the production and effect of natural human growth hormone  
IN Nerenberg, Arnold P.  
PA USA  
SO U.S. Pat. Appl. Publ., 7 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 2005143343 A1 20050630 US 2003-748615 20031230  
PRAI US 2003-748615 20031230

AB A nutritional supplement for enhancing the production and effect of natural human growth hormone includes: L-arginine-2-pyrrolidone-5-carboxylate in an amount of about 500 mg to about 10 g; L-lysine-HCl in an amount of about 500 mg to about 10 g; and a cortisol suppressant including at least one of acetyl-L-carnitine in an amount of about 1 g to about 10 g and maltodextrin in an amount of about 1 g to about 10 g.

=> s 12

L8 13 L2

=> d ibib abs 1-13 18

L8 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:570531 CAPLUS

DOCUMENT NUMBER: 143:83512

TITLE: Nutritional supplement for enhancing the production and effect of natural human growth hormone

INVENTOR(S): Nerenberg, Arnold P.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 7 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005143343	A1	20050630	US 2003-748615	20031230

PRIORITY APPLN. INFO.: US 2003-748615 20031230

AB A nutritional supplement for enhancing the production and effect of natural human growth hormone includes: L-arginine-2-pyrrolidone-5-carboxylate in an amount of about 500 mg to about 10 g; L-lysine-HCl in an amount of about 500 mg to about 10 g; and a cortisol suppressant including at least one of acetyl-L-carnitine in an amount of about 1 g to about 10 g and maltodextrin in an amount of about 1 g to about 10 g.

L8 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:485667 CAPLUS

DOCUMENT NUMBER: 143:165983

TITLE: Ligand-Based Virtual Screening and in Silico Design of New Antimalarial Compounds Using Nonstochastic and Stochastic Total and Atom-Type Quadratic Maps

AUTHOR(S): Marrero-Ponce, Yovani; Iyarreta-Veitia, Maite; Montero-Torres, Alina; Romero-Zaldivar, Carlos; Brandt, Carlos A.; Avila, Priscilla E.; Kirchgatter, Karin; Machado, Yanetsy

CORPORATE SOURCE: Department of Pharmacy, Faculty of Chemical Pharmacy and Department of Drug Design, Chemical Bioactive Center, Central University of Las Villas, Santa Clara, Villa Clara, 54830, Cuba

SOURCE: Journal of Chemical Information and Modeling (2005), 45(4), 1082-1100

CODEN: JCISD8; ISSN: 1549-9596

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 143:165983

AB Malaria has been one of the most significant public health problems for centuries. It affects many tropical and subtropical regions of the world. The increasing resistance of Plasmodium spp. to existing therapies has heightened alarms about malaria in the international health community. Nowadays, there is a pressing need for identifying and developing new drug-based antimalarial therapies. In an effort to overcome this problem, the main purpose of this study is to develop simple linear discriminant-based quant. structure-activity relation (QSAR) models for

the classification and prediction of antimalarial activity using some of the TOMOCOMD-CARDD (TOpol. Mol. COmputer Design-Computer Aided "Rational" Drug Design) fingerprints, to enable computational screening from virtual combinatorial datasets. In this sense, a database of 1562 organic chems. having great structural variability, 597 of them antimalarial agents and 965 compds. having other clin. uses, was analyzed and presented as a helpful tool, not only for theor. chemists but also for other researchers in this area. This series of compds. was processed by a k-means cluster anal. to design training and predicting sets. Afterward, two linear classification functions were derived to discriminate between antimalarial and nonantimalarial compds. The models (including nonstochastic and stochastic indexes) correctly classify more than 93% of the compound set, in both training and external prediction datasets. They showed high Matthews' correlation coeffs., 0.889 and 0.866 for the training set and 0.855 and 0.857 for the test one. The models' predictivity was also assessed and validated by the random removal of 10% of the compds. to form a new test set, for which predictions were made using the models. The overall means of the correct classification for this process (leave group 10% full-out cross validation) using the equations with nonstochastic and stochastic atom-based quadratic fingerprints were 93.93% and 92.77%, resp. The quadratic maps-based TOMOCOMD-CARDD approach implemented in this work was successfully compared with four of the most useful models for antimalarials selection reported to date. The developed models were then used in a simulation of a virtual search for Ras FTase (FTase = farnesyltransferase) inhibitors with antimalarial activity; 70% and 100% of the 10 inhibitors used in this virtual search were correctly classified, showing the ability of the models to identify new lead antimalarials. Finally, these two QSAR models were used in the identification of previously unknown antimalarials. In this sense, three synthetic intermediaries of quinolinic compds. were evaluated as active/inactive ones using the developed models. The synthesis and biol. evaluation of these chems. against two malaria strains, using chloroquine as a reference, was performed. An accuracy of 100% with the theor. predictions was observed. Compound 3 showed antimalarial activity, being the first report of an arylaminomethylenemalonate having such behavior. This result opens a door to a virtual study considering a higher variability of the structural core already evaluated, as well as of other chems. not included in this study. We conclude that the approach described here seems to be a promising QSAR tool for the mol. discovery of novel classes of antimalarial drugs, which may meet the dual challenges posed by drug-resistant parasites and the rapid progression of malaria illnesses.

REFERENCE COUNT: 111 THERE ARE 111 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:371025 CAPLUS  
 DOCUMENT NUMBER: 142:417205  
 TITLE: Nitric oxide topical technology  
 INVENTOR(S): Leitman, Lorn; Barni, Gustavo  
 PATENT ASSIGNEE(S): USA  
 SOURCE: U.S. Pat. Appl. Publ., 5 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005090545	A1	20050428	US 2003-691025	20031022
PRIORITY APPLN. INFO.:			US 2003-691025	20031022

AB The invention enables application of L-arginine made with arginine  $\alpha$ -ketoglutarate, arginine pyroglutamate, arginine ketoisocaproate and ornithine  $\alpha$ -ketoglutarate to work together and sep. along with other ingredients, topically. It is intended to improve the process by which these compds. work in the human organism. The invention is based on the facts that L-arginine is: (1) the immediate precursor of the endogenous vasodilator found in the arterial blood vessels,

endothelium-derived relaxing factor (EDRF), required for protein synthesis and, depending on the organism's needs, can either be metabolized to support glucose synthesis or catabolized to produce energy. This simplified noninvasive application surpasses gastrointestinal digestion so the compds. will not degrade and favoring absorption into the circulatory system thus enhancing the compound effects and at much lower dosage levels than oral or parenteral administration. A composition comprises L-arginine to be used topically that creates increases in muscle size, strength, endurance and power output. Thus, a composition consisted essentially of L-arginine  $\alpha$ -ketoglutarate dihydrate 1000, potassium bicarbonate 100, sodium bicarbonate 100, glycine 100, iso-Pr myristate 800, water 700, and vitamin skin smoother with corn 2000 mg.

L8 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:244333 CAPLUS

DOCUMENT NUMBER: 143:307

TITLE: Atom, atom-type, and total nonstochastic and stochastic quadratic fingerprints: a promising approach for modeling of antibacterial activity

AUTHOR(S): Marrero-Ponce, Yovani; Medina-Marrero, Ricardo; Torrens, Francisco; Martinez, Yamile; Romero-Zaldivar, Vicente; Castro, Eduardo A.

CORPORATE SOURCE: Department of Pharmacy, Faculty of Chemical-Pharmacy, Central University of Las Villas, Santa Clara, 54830, Cuba

SOURCE: Bioorganic & Medicinal Chemistry (2005), 13(8), 2881-2899

CODEN: BMECEP; ISSN: 0968-0896

PUBLISHER: Elsevier Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The Topol. Mol. Computer Design (TOMOCOMD-CARDD) approach has been introduced for the classification and design of antimicrobial agents using computer-aided mol. design. For this propose, atom, atom-type, and total quadratic indexes have been generalized to codify chemical structure information. In this sense, stochastic quadratic indexes have been introduced for the description of the mol. structure. These stochastic fingerprints are based on a simple model for the intramol. movement of all valence-bond electrons. In this work, a complete data set containing 1006 antimicrobial agents is collected and presented. Two structure-based antibacterial activity classification models have been generated. The models (including nonstochastic and stochastic indexes) classify correctly more than 90% of 1525 compds. in training sets. These models permit the correct classification of 92.28% and 89.31% of 505 compds. in an external test sets. The approach, also, satisfactorily compares with respect to nine of the most useful models for antimicrobial selection reported to date. Finally, a virtual screening of 87 new compds. reported in the anti-infective field with antibacterial activities is developed showing the ability of the models to identify new leads as antibacterial.

REFERENCE COUNT: 91 THERE ARE 91 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:991310 CAPLUS

DOCUMENT NUMBER: 140:31162

TITLE: Use of an agent mimicking dopachrome tautomerase (Trp-2) activity as protective agent for hair follicle melanocytes and uses thereof

INVENTOR(S): Commo, Stephane; Gaillard, Olivier; Bernard, Bruno

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003103616 A2 20031218 WO 2003-FR1729 20030610  
 WO 2003103616 A3 20040415  
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,  
 PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,  
 TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,  
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 FR 2840531 A1 20031212 FR 2002-7137 20020611  
 FR 2840531 B1 20041029  
 CA 2487945 AA 20031218 CA 2003-2487945 20030610  
 AU 2003255653 A1 20031222 AU 2003-255653 20030610  
 EP 1515688 A2 20050323 EP 2003-757134 20030610  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK  
 JP 2006512285 T2 20060413 JP 2004-510737 20030610  
 US 2005186233 A1 20050825 US 2004-9153 20041213  
 FR 2002-7137 A 20020611  
 US 2002-389708P P 20020619  
 WO 2003-FR1729 W 20030610

PRIORITY APPLN. INFO.:

AB The invention concerns the cosmetic use of an agent mimicking dopachrome tautomerase (Trp-2) activity as protective agent for hair follicle melanocytes and its use, in particular for fighting against canities. The invention also concerns specific cosmetic compns. for fighting against canities comprising in a cosmetically acceptable medium at least an agent mimicking dopachrome tautomerase (Trp-2) activity and their uses. The invention further concerns a method for treating canities and a method for preserving natural pigmentation of gray or white hair and/or hairs by applying a cosmetic composition comprising at least one agent mimicking dopachrome tautomerase activity. Finally, the invention concerns a method for identifying at least one agent mimicking dopachrome tautomerase (Trp-2) activity and a method for evaluating its cytoprotective activity. A hair lotion contained dopachrome tautomerase 0.5, propylene glycol 20, ethanol 30 and water q.s. 100 g.

L8 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:971575 CAPLUS  
 DOCUMENT NUMBER: 140:31172  
 TITLE: Cosmetic composition containing an agent mimicking the activity of dopachrome tautomerase (Trp-2) to prevent hair whitening  
 INVENTOR(S): Commo, Stephane; Gaillard, Olivier; Bernard, Bruno  
 PATENT ASSIGNEE(S): L'oreal, Fr.  
 SOURCE: Fr. Demande, 39 pp.  
 CODEN: FRXXBL  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2840531	A1	20031212	FR 2002-7137	20020611
FR 2840531	B1	20041029		
CA 2487945	AA	20031218	CA 2003-2487945	20030610
WO 2003103616	A2	20031218	WO 2003-FR1729	20030610
WO 2003103616	A3	20040415		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,				

FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 AU 2003255653 A1 20031222 AU 2003-255653 20030610  
 EP 1515688 A2 20050323 EP 2003-757134 20030610  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK  
 JP 2006512285 T2 20060413 JP 2004-510737 20030610  
 US 2005186233 A1 20050825 US 2004-9153 20041213

PRIORITY APPLN. INFO.:

FR 2002-7137 A 20020611  
 US 2002-389708P P 20020619  
 WO 2003-FR1729 W 20030610

AB A cosmetic composition to fight against the hair whiteness contains an agent mimicking the activity of dopachrome tautomerase (Trp-2). The invention refers moreover to a method for identifying an agent mimicking the activity of Trp-2. Expression of Trp-2 in melanocytes from human hair follicles and epidermis is studied. A hair lotion contained Trp-2 0.5, propylene glycol 20, ethanol 30, and water q.s. 100 g.

REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:116751 CAPLUS

DOCUMENT NUMBER: 132:156552

TITLE: Deodorant and/or moisturizing cosmetic composition containing an orthophosphoric acid ester and polyacrylate

INVENTOR(S): Mucci, Paolo; Meucci, Sandro; Ceccarelli, Luigi

PATENT ASSIGNEE(S): Societa Italo-Britannica L. Manetti-H. Roberts & C. S.p.A., Italy

SOURCE: Eur. Pat. Appl., 10 pp.

CODEN: EPXXDW

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 979644	A1	20000216	EP 1999-830439	19990708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
IT 1302023	B1	20000720	IT 1998-MI1895	19980813

PRIORITY APPLN. INFO.: IT 1998-MI1895 A 19980813

AB A deodorant and/or moisturizing cosmetic composition formed by an emulsion oil in water, comprising: (a) a combination of two or more deodorant and/or moisturizing active ingredients, (b) an orthophosphoric acid ester in an amount comprised between 0.3 and 7%, and (c) a water soluble resin consisting of a homopolymer of the acrylic acid in an amount comprised between 0.05% and 1.5%, said composition having a viscosity at 20°C comprised between 800 and 10000 cPs. The main advantage of the cosmetic composition according to the invention consists in that it is a cream and, at the same time, is vaporizable, as the viscosity is always comprised in the above stated range. A vaporizable cream contained water 74.876, vaseline oil 8.000, propylene glycol 5.000, Myritol-312 5.000, Hostaphat KL 340 N 3.000, Cosmacol ELI 1.000, perfume 1.000, farnesol 0.6000, vitamin E acetate 0.500, Germaben II 0.500, Carbopol 5/984 0.300, sodium hydroxide 0.124, disodium EDTA, and BHT 0.050%.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1998:65929 CAPLUS

DOCUMENT NUMBER: 128:128292

TITLE: Preparation of somatostatin derivatives and their combinations with amino acids or oligopeptides for promoting body growth

INVENTOR(S): Volpato, Ivo; Bizzini, Bernard; Grabitz, Ernst Bernhard

PATENT ASSIGNEE(S): Dox-Al Italia S.P.A., Italy



SOURCE: PCT Int. Appl., 39 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9801474	A2	19980115	WO 1997-EP3605	19970708
WO 9801474	A3	19980409		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9736930	A1	19980202	AU 1997-36930	19970708
EP 914342	A2	19990512	EP 1997-933655	19970708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRIORITY APPLN. INFO.:		IT 1996-MI1408 A 19960708		
		WO 1997-EP3605 W 19970708		

OTHER SOURCE(S): MARPAT 128 128292

AB Chemical modified somatostatins administered to man and animals can significantly increase the body growth rate and index. Furthermore, L-amino acids (in particular arginine pyroglutamate) or oligopeptides, administered orally in combination with the claimed derivs. of chemical modified somatostatins, produce a synergic effect on body growth. Thus, polymerized somatostatin was prepared and shown to significantly increase animal growth (178.5 vs. 144.6% for the placebo after 21 days).

L8 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1988:124398 CAPLUS  
 DOCUMENT NUMBER: 108:124398  
 TITLE: Effect of pyroglutamic acid stereoisomers on ECS and scopolamine-induced memory disruption and brain acetylcholine levels in the rat  
 AUTHOR(S): Spignoli, G.; Magnani, M.; Giovannini, M. G.; Pepeu, G.  
 CORPORATE SOURCE: Dep. Preclin. Clin. Pharmacol., Univ. Florence, Florence, 50134, Italy  
 SOURCE: Pharmacological Research Communications (1987), 19(12), 901-12  
 CODEN: PLRCAT, ISSN: 0031-6989  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

AB In rats, the acquisition of a passive avoidance conditioned response was disrupted by electroconvulsive shock (ECS) or scopolamine administration. DL-Pyroglutamic acid (DL-PCA) 500 and 1000 mg/kg prevented both the ECS and scopolamine-induced amnesia. Arginine alone was ineffective. Scopolamine brought about a 52 and 39% decrease, resp., in cortical and hippocampal acetylcholine (ACh) levels. DL-PCA 500 and 1000 mg/kg also prevented the decrease in brain ACh level. When the 2 isomers were studied sep., D-PCA was more effective than L-PCA and antagonized scopolamine-induced amnesia at 250 and 500 mg/kg. DL-PCA appears to be active on cortical and hippocampal cholinergic mechanisms and, like other 2-oxopyrrolidone derivs., has cognition-enhancing properties.

L8 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1988:106414 CAPLUS  
 DOCUMENT NUMBER: 108:106414  
 TITLE: Effects of pyroglutamic acid on learning and memory processes of the rat  
 AUTHOR(S): Drago, F.; Continella, G.; Valerio, C.; D'Agata, V.; Astuto, C.; Spadaro, F.; Scapagnini, U.  
 CORPORATE SOURCE: Med. Sch., Univ. Catania, Catania, 95125, Italy

*Printed*

SOURCE: Acta Therapeutica (1987), 13(6), 587-94  
 CODEN: ACTTDZ; ISSN: 0378-0619  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB The arginine salt of pyroglutamic acid (PCA) was administered subchronically to male rats (i.p. injection of 0.1 and 1 g/kg/day for 15 days). The PCA did not modify the rate of acquisition of the pole-jumping response, but inhibited its extinction. The dose of 1 g/kg was more potent than 0.1 g/kg in this respect. In addition, in the passive avoidance task, treatment with PCA was followed by an improvement of avoidance retention. Both 24 and 48 h after the learning trial, PCA-treated rats showed better memory retention than control animals.

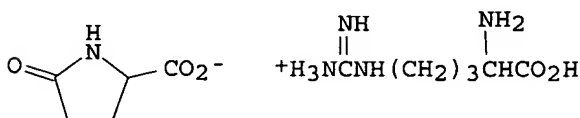
L8 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1982:515326 CAPLUS  
 DOCUMENT NUMBER: 97:115326  
 TITLE: L-Arginine-DL-pyroglutamate as an agent with an effect on a neuroendocrine area  
 INVENTOR(S): Orzalesi, Giovanni  
 PATENT ASSIGNEE(S): Societa Italo-Britannica L. Manetti-H. Roberts e C., Italy  
 SOURCE: Ger. Offen., 20 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3125512	A1	19820506	DE 1981-3125512	19810629
US 4388325	A	19830614	US 1981-275774	19810622
ZA 8104255	A	19820728	ZA 1981-4255	19810624
JP 57098213	A2	19820618	JP 1981-99793	19810629
CA 1168985	A1	19840612	CA 1981-380896	19810630
PRIORITY APPLN. INFO.:			IT 1980-49111	A 19800630

AB L-arginine DL-pyroglutamate [64855-91-0] Can increase the sexual activity of elderly male mammals when administered daily at 200-4500 mg orally or 200-1200 mg parenterally. The compound increases dopaminergic tone. Expts. on the response of learning and sexual behavior of young and old rats and on the sexual behavior of men under 40 and over 60 yr old to the peptide are described. There was no effect on the sexual activity of young men, but that of older men was significantly increased. Capsules were prepared containing peptide 1000, modified starch 98, and Mg stearate 2 mg.

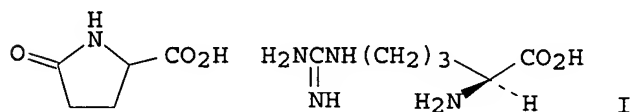
*Printed*

L8 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1978:517679 CAPLUS  
 DOCUMENT NUMBER: 89:117679  
 TITLE: Chemicopharmaceutic and pharmacodynamic characteristics of pyroglutargine  
 AUTHOR(S): Selleri, R.; Orzalesi, G.; Innocenti, F.; Volpato, I.; Bisagno, T.  
 CORPORATE SOURCE: Lab. Ric. Farmacobiol., Soc. Italo-Britannica, Calenzano, Italy  
 SOURCE: Bollettino Chimico Farmaceutico (1977), 116(12), 735-43  
 CODEN: BCFAAI; ISSN: 0006-6648  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Italian  
 GI



AB Reaction of L-arginine with DL-pyroglutamic acid for a few min in boiling water, followed by evaporation of the solvent and crystallization of the product from 95% EtOH-H<sub>2</sub>O (7:3), yielded pyrroglutargine (I) [64855-91-0], m. 216-17°, [α]<sub>250</sub> +11.9° (c 7.00, H<sub>2</sub>O), conductivity 54.4 S + mol<sup>-1</sup>. I is probably a pair of LL- and LD-diastereoisomers. IR, NMR, and mass spectra of I and of the 2 reactant amino acids are also illustrated and discussed. A review is given of previously published results on the pharmacol. of the compound which showed it to affect the central nervous system, inhibiting the effects of neurodepressant drugs and facilitating the learning of some specialized behavior. The formulation of capsules and liquid solns. of I is also described.

L8 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1978:15861 CAPLUS  
 DOCUMENT NUMBER: 88:15861  
 TITLE: Chemistry and pharmacology of arginine pyroglutamate. Analysis of its effects on the CNS  
 AUTHOR(S): Provenzano, P. M.; Brucato, A.; Gianguzza, S.; Coppola, A.; Orzalesi, G.; Selleri, R.; Innocenti, F.; Volpato, I.  
 CORPORATE SOURCE: Dep. Toxicol., Univ. Palermo, Palermo, Italy  
 SOURCE: Arzneimittel-Forschung (1977), 27(8), 1553-7  
 CODEN: ARZNAD; ISSN: 0004-4172  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI



AB The effects of arginine pyroglutamate (I) [64855-91-0] on the central nervous system in rats were studied. I antagonized the general anesthesia produced by Na pentobarbital [57-33-0] even in the presence of medazepam [2898-12-6] and flurazepam [17617-23-1]. I also attenuated the decrease in locomotor behavior induced by pentobarbital and the benzodiazepines. I did not alter the sound discrimination capacity at fixed intervals nor did it influence the learning of a sound discrimination at varied intervals. Learning was moderately accelerated by I in temporal discrimination and conditioned avoidance response tests. Neither arginine nor pyroglutamate had any effect when given alone. Thus, I appears to block the effect of central nervous system depressants without affecting normal behavior.

10/748,615

=> e l-arginine-2-pyrrolidone-5-carboxylate/cn

E1 1 L-ARGININE-2-D/CN  
E2 1 L-ARGININE-2-D, MONOHYDROCHLORIDE/CN  
E3 0 --> L-ARGININE-2-PYRROLIDONE-5-CARBOXYLATE/CN  
E4 1 L-ARGININE-3,4,5,5-T4/CN  
E5 1 L-ARGININE-3,4-T2/CN  
E6 1 L-ARGININE-4'-PROPOXYAZOBENZENE-4-SULFONATE/CN  
E7 1 L-ARGININE-4,4-D2/CN  
E8 1 L-ARGININE-4,5-T2/CN  
E9 1 L-ARGININE-4-D, ERYTHRO-/CN  
E10 1 L-ARGININE-4-D, THREO-/CN  
E11 1 L-ARGININE-4-NITROANILIDE HYDROCHLORIDE/CN  
E12 1 L-ARGININE-5,5-D2, 3-HYDROXY-, ERYTHRO-/CN

=> e l-lysine hydrochloride/cn

E1 1 L-LYSINE EXPORTER (SHEWANELLA ONEIDENSIS STRAIN MR-1 GENE SO  
2865)/CN  
E2 1 L-LYSINE EXPORTER (SILICIBACTER POMEROYI STRAIN DSS-3)/CN  
E3 1 --> L-LYSINE HYDROCHLORIDE/CN  
E4 1 L-LYSINE HYDROCHLORIDE-2,6-NAPHTHALENE DICARBONYL CHLORIDE P  
OLYMER/CN  
E5 1 L-LYSINE HYDROCHLORIDE-L-METHIONINE-UREA-FORMALDEHYDE POLYME  
R/CN  
E6 1 L-LYSINE HYDROCHLORIDE-TEREPHTHALOYL CHLORIDE POLYMER/CN  
E7 1 L-LYSINE HYDROCHLORIDE-UREA-FORMALDEHYDE POLYMER/CN  
E8 1 L-LYSINE HYDROFLUORIDE/CN  
E9 1 L-LYSINE HYDROXAMATE HYDROCHLORIDE/CN  
E10 1 L-LYSINE HYDROXAMIC ACID/CN  
E11 1 L-LYSINE ISOPROPYL ESTER/CN  
E12 1 L-LYSINE L-GLUTAMATE/CN

=> s e3

L1 1 "L-LYSINE HYDROCHLORIDE"/CN

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 657-27-2 REGISTRY

ED Entered STN: 16 Nov 1984

CN L-Lysine, monohydrochloride (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Lysine, monohydrochloride, L- (8CI)

OTHER NAMES:

CN Darvyl

CN L-Gen

CN **L-Lysine hydrochloride**

CN Lyamine

CN Lysine hydrochloride

CN Lysine monohydrochloride

CN Lysion

CN NSC 9253

FS STEREOSEARCH

DR 305-76-0, 93394-22-0

MF C6 H14 N2 O2 . C1 H

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX,  
CHEMLIST, CIN, CSCHM, DETHERM\*, DIOGENES, EMBASE, GMELIN\*, HSDB\*,  
IFICDB, IFIPAT, IFIUDB, IPA, MRCK\*, MSDS-OHS, PATDPASPC, PROMT, RTECS\*,  
SPECINFO, TOXCENTER, USAN, USPAT2, USPATFULL

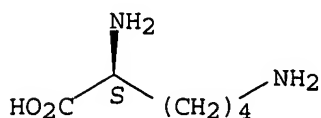
(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

CRN (56-87-1)

Absolute stereochemistry.



● HCl

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1067 REFERENCES IN FILE CA (1907 TO DATE)  
29 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1067 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e acetyl-l-carnitine/cn

E1	1	ACETYL-L-ALANYLGLYCYLGLYCINE METHYL ESTER/CN
E2	1	ACETYL-L-ASPARTIC ACID/CN
E3	1	--> ACETYL-L-CARNITINE/CN
E4	1	ACETYL-L-CARNITINE ACID PHOSPHATE/CN
E5	1	ACETYL-L-CARNITINE ACID SULFATE/CN
E6	1	ACETYL-L-CARNITINE GLUCOSE PHOSPHATE/CN
E7	1	ACETYL-L-CARNITINE GLYCEROPHOSPHATE/CN
E8	1	ACETYL-L-CARNITINE LACTATE/CN
E9	1	ACETYL-L-CARNITINE MAGNESIUM CITRATE/CN
E10	1	ACETYL-L-CARNITINE METHANESULFONATE/CN
E11	1	ACETYL-L-CARNITINE OROTATE/CN
E12	1	ACETYL-L-CARNITINE TRICHLOROACETATE/CN

=> s e3

L2 1 ACETYL-L-CARNITINE/CN

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 3040-38-8 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1-Propanaminium, 2-(acetyloxy)-3-carboxy-N,N,N-trimethyl-, inner salt,  
(2R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-Propanaminium, 2-(acetyloxy)-3-carboxy-N,N,N-trimethyl-, inner salt,  
(R)-

CN Ammonium, (3-carboxy-2-hydroxypropyl)trimethyl-, hydroxide, inner salt,  
acetate, L- (8CI)

OTHER NAMES:

CN (-)-Acetylcarnitine

CN (R)-Acetylcarnitine

CN Acetyl-L-(-)-carnitine

CN **Acetyl-L-carnitine**

CN Acetylcarnitine

CN ALCAR

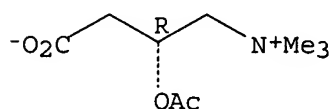
CN L-Acetylcarnitine

CN L-Carnitine acetyl ester

CN L-O-Acetylcarnitine

CN Levocarnitine acetyl  
 CN Nicetile  
 CN O-Acetyl-L-carnitine  
 CN O-Acetylcarnitine  
 FS STEREOSEARCH  
 DR 461-77-8, 541-68-4, 3624-25-7, 74832-89-6  
 MF C9 H17 N O4  
 CI COM  
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*,  
 BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CEN,  
 CHEMCATS, CHEMLIST, CIN, CSCHM, DDFU, DRUGU, EMBASE, IMSCOSEARCH,  
 IMSDRUGNEWS, IMSRESEARCH, IPA, MRCK\*, PROMT, PROUSDDR, RTECS\*,  
 TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: WHO

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

857 REFERENCES IN FILE CA (1907 TO DATE)  
 19 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 858 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e l-arginine/cn

E1	1	L-ARGININAMIDE-N-15N, L-VALYL-L-GLUTAMINYL-N-15N-L-ALANYL-L-ASPARAGINYL-N-15N-L-ISOLEUCYL-L-ALANYLGLYCYL-L-HISTIDYLGLYCYL-L-L-GLUTAMINYL-L-GLUTAMINYL-N-15N-L-VALYL-L-LEUCYL-L-ISOLEUCYL-/CN
E2	1	L-ARGININAMIDE-N2-15N, N-FORMYL-L-ALANYL-/CN
E3	1 -->	L-ARGININE/CN
E4	1	L-ARGININE A-PHENOXYBUTYRATE/CN
E5	1	L-ARGININE B-NAPHTHYLAMIDE/CN
E6	1	L-ARGININE 2-NAPHTHYLAMIDE/CN
E7	1	L-ARGININE 4'-ETHOXYAZOBENZENE-4-SULFONATE/CN
E8	1	L-ARGININE 4-METHYLCOUMARYL-7-AMIDE/CN
E9	1	L-ARGININE ACETYLSALICYLATE/CN
E10	1	L-ARGININE ACETYLSALICYLATE SALT (1:1)/CN
E11	1	L-ARGININE ACETYLSALICYLIC ACID SALT/CN
E12	1	L-ARGININE AMIDE/CN

=> s e3

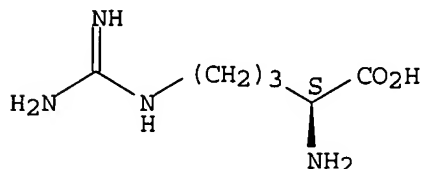
L3 1 L-ARGININE/CN

=> d l3

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN  
 RN 74-79-3 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN **L-Arginine (9CI)** (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Arginine, L- (8CI)  
 OTHER NAMES:  
 CN (S)-2-Amino-5-[(aminoiminomethyl)amino]pentanoic acid

CN Arginine  
 CN L-(+)-Arginine  
 CN L- $\alpha$ -Amino- $\delta$ -guanidinovaleric acid  
 CN L-Arg  
 CN L-Norvaline, 5-[(aminoiminomethyl)amino]-  
 CN L-Ornithine, N5-(aminoiminomethyl)-  
 CN NSC 206269  
 CN Pentanoic acid, 2-amino-5-[(aminoiminomethyl)amino]-, (S)-  
 FS STEREOSEARCH  
 DR 667422-95-9, 7004-12-8, 142-49-4  
 MF C6 H14 N4 O2  
 CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS,  
 BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,  
 CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSChem, CSNB, DDFU,  
 DETHERM\*, DIOGENES, DRUGU, EMBASE, GMELIN\*, HODOC\*, HSDB\*, IFICDB,  
 IFIPAT, IFIUDb, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC,  
 PATDPASPC, PHAR, PIRA, PROMT, PS, RTECS\*, SPECINFO, SYNTHLINE,  
 TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*, WHO  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

41313 REFERENCES IN FILE CA (1907 TO DATE)  
 1202 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 41367 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e maltodextrin/cn

E1	1	MALTOBIOURONOSIDE, BENZYL, METHYL ESTER, HEXAACETATE/CN
E2	2	MALTODECAOSE/CN
E3	1 -->	MALTODEXTRIN/CN
E4	1	MALTODEXTRIN 19/CN
E5	1	MALTODEXTRIN 24DE/CN
E6	1	MALTODEXTRIN ABC TRANSPORTER ATP-BINDING PROTEIN (MYCOPLASMA MOBILE STRAIN 163K GENE MALK)/CN
E7	1	MALTODEXTRIN ABC TRANSPORTER ATP-BINDING PROTEIN MALK (MYCOPLASMA PULMONIS STRAIN UAB CTIP GENE MYPUR-6410)/CN
E8	1	MALTODEXTRIN ABC TRANSPORTER PERMEASE PROTEIN (MYCOPLASMA MOBILE STRAIN 163K GENE MALC)/CN
E9	1	MALTODEXTRIN ABC TRANSPORTER PERMEASE PROTEIN MALC (MYCOPLASMA PULMONIS STRAIN UAB CTIP GENE MYPUR-6390)/CN
E10	1	MALTODEXTRIN ABC TRANSPORTER PERMEASE PROTEIN MALD (MYCOPLASMA PULMONIS STRAIN UAB CTIP GENE MYPUR-6400)/CN
E11	1	MALTODEXTRIN ABC TRANSPORTER, PERMEASE PROTEIN (STREPTOCOCCUS PNEUMONIAE STRAIN TIGR4 GENE SP2109)/CN
E12	1	MALTODEXTRIN ABC TRANSPORTER, PERMEASE PROTEIN (STREPTOCOCCUS PNEUMONIAE STRAIN TIGR4 GENE SP2110)/CN

=> s e3

L4 1 MALTODEXTRIN/CN

=> d 14

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 9050-36-6 REGISTRY

ED Entered STN: 16 Nov 1984

CN **Maltodextrin (9CI)** (CA INDEX NAME)

OTHER NAMES:

CN Amidex DE 10

CN C Pharm 01980

CN C\*De Light 01970

CN C\*deLight F 01970

CN C\*deLight MD 01970

CN C-Pur 01910

CN C-PUR 01915

CN C-Pur 01921

CN C-Sperse MD 01314

CN Cerestar C\*PUR 01915

CN Cerestar PUR 01915

CN DE 2

CN Dextrin, malto

CN Dry Sweet

CN Fibersol 2(E)

CN Foodtex

CN Frodex 10

CN Frodex 20

CN Glucidex 12

CN Glucidex 17

CN Glucidex 19

CN Glucidex 19FD

CN Glucidex 2

CN Glucidex 21

CN Glucidex 2B

CN Glucidex 39

CN Glucidex 6

CN Glucidex IT 12

CN Glucidex IT 19

CN Glucidex IT 6

CN Instant N-Oil II

CN Instant Oil II

CN Instant Stellar

CN K 8

CN Lodex 10

CN Lodex 5

CN Lycadex 100

CN Lycadex 200

CN Lycatab

CN M 01960

CN M 040

CN Maldex 15

CN Maldex 150

CN Maldex 20

CN Maldex 30

CN Malta-Gran 10

CN Malta-Gran TG

CN Maltiva

CN Maltodextrin 19

CN Maltodextrin 24DE

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
DISPLAY

DR 126776-44-1, 126776-45-2, 127120-90-5, 54077-26-8, 104859-39-4,



104859-43-0, 104859-45-2, 104859-47-4, 104859-49-6, 104859-62-3,  
104859-75-8, 61008-41-1, 142583-82-2, 89750-26-5, 87090-11-7, 39283-25-5,  
52769-80-9, 216252-89-0, 220857-34-1, 287179-53-7

MF Unspecified

CI PMS, COM, MAN

PCT Manual registration

LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA,  
CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM,  
DDFU, DETHERM\*, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,  
MSDS-OHS, PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3125 REFERENCES IN FILE CA (1907 TO DATE)

139 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

3125 REFERENCES IN FILE CAPLUS (1907 TO DATE)

(FILE 'HOME' ENTERED AT 16:47:13 ON 08 JUL 2005)

FILE 'REGISTRY' ENTERED AT 16:47:30 ON 08 JUL 2005

E L-ARGININE-2-PYRROLIDONE-5-CARBOXYLATE/CN

E L-LYSINE HYDROCHLORIDE/CN

L1 1 S E3

E ACETYL-L-CARNITINE/CN

L2 1 S E3

E L-ARGININE/CN

L3 1 S E3

E MALTODEXTRIN/CN

L4 1 S E3

Connecting via Winsock to STN

10/748,615

Welcome to STN International! Enter x:x

LOGINID:sssptal600txm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

- NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
- NEWS 2 "Ask CAS" for self-help around the clock
- NEWS 3 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/  
USPAT2
- NEWS 4 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
- NEWS 5 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to  
INPADOC
- NEWS 6 JAN 17 Pre-1988 INPI data added to MARPAT
- NEWS 7 JAN 17 IPC 8 in the WPI family of databases including WPIFV
- NEWS 8 JAN 30 Saved answer limit increased
- NEWS 9 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist  
visualization results
- NEWS 10 FEB 22 The IPC thesaurus added to additional patent databases on STN
- NEWS 11 FEB 22 Updates in EPFULL; IPC 8 enhancements added
- NEWS 12 FEB 27 New STN AnaVist pricing effective March 1, 2006
- NEWS 13 FEB 28 MEDLINE/LMEDLINE reload improves functionality
- NEWS 14 FEB 28 TOXCENTER reloaded with enhancements
- NEWS 15 FEB 28 REGISTRY/ZREGISTRY enhanced with more experimental spectral  
property data
- NEWS 16 MAR 01 INSPEC reloaded and enhanced
- NEWS 17 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
- NEWS 18 MAR 08 X.25 communication option no longer available after June 2006
- NEWS 19 MAR 22 EMBASE is now updated on a daily basis
- NEWS 20 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
- NEWS 21 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC  
thesaurus added in PCTFULL
- NEWS 22 APR 04 STN AnaVist \$500 visualization usage credit offered
- NEWS 23 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
- NEWS 24 APR 12 Improved structure highlighting in FQHIT and QHIT display  
in MARPAT
- NEWS 25 APR 12 Derwent World Patents Index to be reloaded and enhanced during  
second quarter; strategies may be affected
- NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.  
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT  
<http://download.cas.org/express/v8.0-Discover/>
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Take survey: <http://www.zoomerang.com/survey.zgi?p=WEB2259HNKWTUW>

Thank you in advance for your participation.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:18:30 ON 09 MAY 2006

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 12:18:51 ON 09 MAY 2006

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FILE COVERS 1907 - 9 May 2006 VOL 144 ISS 20

FILE LAST UPDATED: 8 May 2006 (20060508/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s us 20050143343.pn

98845 US  
3198926 USES  
3290620 US  
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33567 PN  
1998 PNS  
35426 PN  
(PN OR PNS)

L1 0 US 20050143343.PN  
(US(W)20050143343(W)PN)

=> s us 20050143343/pn

L2 1 US 20050143343/PN  
(US2005143343/PN)

=> sel rn

E1 THROUGH E10 ASSIGNED

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.34	8.55

FILE 'REGISTRY' ENTERED AT 12:19:33 ON 09 MAY 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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Property values tagged with IC are from the ZIC/VINITI data file  
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STRUCTURE FILE UPDATES: 8 MAY 2006 HIGHEST RN 883439-06-3  
DICTIONARY FILE UPDATES: 8 MAY 2006 HIGHEST RN 883439-06-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

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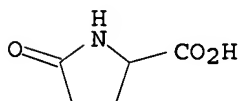
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1 107-35-7/BI
  (107-35-7/RN)
1 12629-01-5/BI
  (12629-01-5/RN)
1 3040-38-8/BI
  (3040-38-8/RN)
1 50-23-7/BI
  (50-23-7/RN)
1 502-65-8/BI
  (502-65-8/RN)
1 56-85-9/BI
  (56-85-9/RN)
1 60-18-4/BI
  (60-18-4/RN)
1 64855-91-0/BI
  (64855-91-0/RN)
1 657-27-2/BI
  (657-27-2/RN)
1 9050-36-6/BI
  (9050-36-6/RN)
L3 10 (107-35-7/BI OR 12629-01-5/BI OR 3040-38-8/BI OR 50-23-7/BI OR
     502-65-8/BI OR 56-85-9/BI OR 60-18-4/BI OR 64855-91-0/BI OR
     657-27-2/BI OR 9050-36-6/BI)
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=> d

L3 ANSWER 1 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 64855-91-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Proline, 5-oxo-, compd. with L-arginine (1:1) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN DL-Proline, 5-oxo-, compd. with L-arginine (1:1)  
CN L-Arginine, compd. with 5-oxo-DL-proline (1:1)  
CN L-Arginine, compd. with 5-oxoproline (1:1) (9CI)  
OTHER NAMES:  
CN Arginine pyroglutamate  
CN Pyrroglutargine  
FS STEREOSEARCH  
MF C6 H14 N4 O2 . C5 H7 N O3  
LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAPLUS, CHEMLIST, EMBASE, PHAR,  
PROMT, PS, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

CM 1

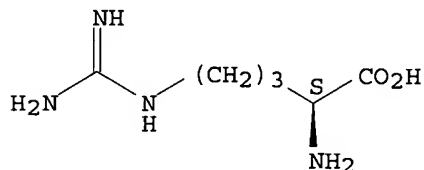
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CMF C5 H7 N O3



CM 2

CRN 74-79-3  
CMF C6 H14 N4 O2

Absolute stereochemistry.



13 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
13 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 2-10 13

L3 ANSWER 2 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 12629-01-5 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Somatotropin (human) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1: PN: US5958879 TABLE: 5 claimed protein  
CN 3: PN: WO0030587 SEQID: 1 claimed protein  
CN Bio-Tropin  
CN CB 311  
CN Corpormon  
CN Crescormon  
CN Genotropin  
CN Growth hormone (human pituitary)

CN Human growth hormone  
CN Humatrope  
CN Infitropin CR  
CN LY 137998  
CN Norditropin  
CN Norditropin SimpleXx  
CN Nordotropin  
CN Nutropin  
CN Nutropin Depot  
CN Saizen  
CN SJ 0011  
CN Somatogen  
CN Somatotropin (human)  
CN Somatropin  
CN SR 29001  
CN Valtropin  
CN Zomacton  
CN Zorbtive  
FS PROTEIN SEQUENCE  
DR 869741-23-1, 11145-52-1  
MF Unspecified  
CI MAN  
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO,  
CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, DDFU,  
DRUGU, EMBASE, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA,  
MEDLINE, MRCK\*, PATDPASPC, PHAR, PIRA, PROMT, RTECS\*, SCISEARCH,  
TOXCENTER, USAN, USPAT2, USPATFULL, VETU  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, WHO  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1400 REFERENCES IN FILE CA (1907 TO DATE)  
99 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1400 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 9050-36-6 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Maltodextrin (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Actistar 11700  
CN Amidex DE 10  
CN C Pharm 01980  
CN C\*De Light 01970  
CN C\*deLight F 01970  
CN C\*deLight MD 01970  
CN C-Pur 01910  
CN C-PUR 01915  
CN C-Pur 01921  
CN C-Sperse MD 01314  
CN Cerestar C\*PUR 01915  
CN Cerestar PUR 01915  
CN DE 2  
CN Dextrin, malto  
CN Dry Sweet  
CN Fibersol 2(E)  
CN Foodtex  
CN Frodex 10  
CN Frodex 20  
CN Glister  
CN Glucidex 12  
CN Glucidex 17

CN Glucidex 19  
CN Glucidex 19FD  
CN Glucidex 2  
CN Glucidex 21  
CN Glucidex 2B  
CN Glucidex 39  
CN Glucidex 6  
CN Glucidex IT 12  
CN Glucidex IT 19  
CN Glucidex IT 6  
CN Glucidex IT 8  
CN Instant N-Oil II  
CN Instant Oil II  
CN Instant Stellar  
CN K 8  
CN Lodex 10  
CN Lodex 5  
CN Lycadex 100  
CN Lycadex 200  
CN Lycatab  
CN M 01960  
CN M 040  
CN Maldex 15  
CN Maldex 150  
CN Maldex 20  
CN Maldex 30  
CN Malta-Gran 10  
CN Malta-Gran TG

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for  
DISPLAY

DR 126776-44-1, 126776-45-2, 127120-90-5, 54077-26-8, 104859-39-4,  
104859-43-0, 104859-45-2, 104859-47-4, 104859-49-6, 104859-62-3,  
104859-75-8, 61008-41-1, 142583-82-2, 89750-26-5, 87090-11-7, 39283-25-5,  
52769-80-9, 216252-89-0, 220857-34-1, 287179-53-7

MF Unspecified

CI PMS, COM, MAN

PCT Manual registration

LC STN Files: AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CABA, CAPLUS,  
CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM\*, DRUGU,  
EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, PIRA, PROMT,  
TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3496 REFERENCES IN FILE CA (1907 TO DATE)

154 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

3507 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN

RN 3040-38-8 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1-Propanaminium, 2-(acetyloxy)-3-carboxy-N,N,N-trimethyl-, inner salt,  
(2R)-(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-Propanaminium, 2-(acetyloxy)-3-carboxy-N,N,N-trimethyl-, inner salt,  
(R)-

CN Ammonium, (3-carboxy-2-hydroxypropyl)trimethyl-, hydroxide, inner salt,  
acetate, L- (8CI)

OTHER NAMES:

CN (-)-Acetylcarnitine

CN (R)-Acetylcarnitine

CN Acetyl-L-(-)-carnitine

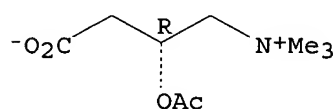
CN Acetyl-L-carnitine

CN Acetylcarnitine



CN ALCAR  
 CN L-Acetylcarnitine  
 CN L-Carnitine acetyl ester  
 CN L-O-Acetylcarnitine  
 CN Levocarnitine acetyl  
 CN Nicetile  
 CN O-Acetyl-L-carnitine  
 CN O-Acetylcarnitine  
 FS STEREOSEARCH  
 DR 461-77-8, 541-68-4, 3624-25-7, 74832-89-6  
 MF C9 H17 N O4  
 CI COM  
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, DDFU, DRUGU, EMBASE, IMSCSEARCH, IMSDRUGNEWS, IMSRESEARCH, IPA, MRCK\*, PROMT, PROUSDDR, RTECS\*, TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: WHO

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

910 REFERENCES IN FILE CA (1907 TO DATE)  
 20 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 911 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 5 OF 10 / REGISTRY COPYRIGHT 2006 ACS on STN

RN 657-27-2 REGISTRY

ED Entered STN: 16 Nov 1984

CN L-Lysine, monohydrochloride (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Lysine, monohydrochloride, L- (8CI)

OTHER NAMES:

CN Darvyl

CN L-Gen

CN L-Lysine hydrochloride

CN Lyamine

CN Lysine hydrochloride

CN Lysine monohydrochloride

CN Lysion

CN NSC 9253

FS STEREOSEARCH

DR 305-76-0, 93394-22-0

MF C6 H14 N2 O2 . Cl H

CI COM

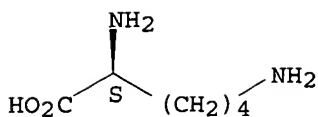
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, DETHERM\*, EMBASE, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MRCK\*, MSDS-OHS, PATDPASPC, PROMT, RTECS\*, SPECINFO, TOXCENTER, USAN, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

CRN (56-87-1)

Absolute stereochemistry.



● HCl

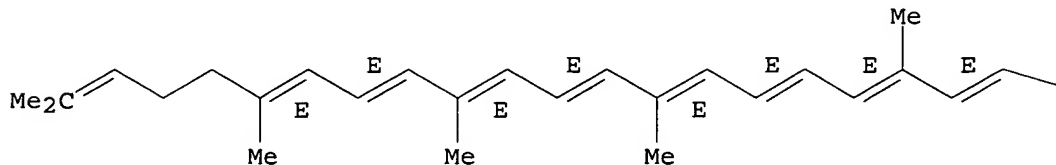
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1118 REFERENCES IN FILE CA (1907 TO DATE)  
 31 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 1118 REFERENCES IN FILE CAPLUS (1907 TO DATE)

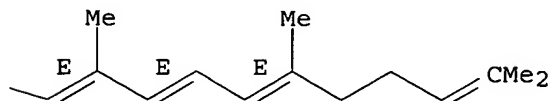
L3 ANSWER 6 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 502-65-8 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN  $\psi,\psi$ -Carotene (9CI) (CA INDEX NAME) ✓  
 OTHER CA INDEX NAMES:  
 CN Lycopene, all-trans- (8CI)  
 OTHER NAMES:  
 CN (6E,8E,10E,12E,14E,16E,18E,20E,22E,24E,26E)-2,6,10,14,19,23,27,31-Octamethyl-2,6,8,10,12,14,16,18,20,22,24,26,30-dotriacontatridecaene  
 CN (all-E)-2,6,10,14,19,23,27,31-Octamethyl-2,6,8,10,12,14,16,18,20,22,24,26,30-dotriacontatridecaene  
 CN 2,6,8,10,12,14,16,18,20,22,24,26,30-Dotriacontatridecaene, 2,6,10,14,19,23,27,31-octamethyl-, (6E,8E,10E,12E,14E,16E,18E,20E,22E,24E,26E)-  
 CN all-trans-Lycopene  
 CN C.I. 75125  
 CN Lyco Vit  
 CN Lycopene  
 CN Lycopene 7  
 CN NSC 407322  
 CN trans-Lycopene  
 FS STEREOSEARCH  
 DR 7634-65-3, 25453-98-9  
 MF C40 H56  
 CI COM  
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PIRA, PROMT, RTECS\*, SCISEARCH, SPECINFO, TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

Double bond geometry as shown.

PAGE 1-A



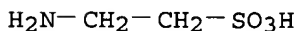
PAGE 1-B



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3939 REFERENCES IN FILE CA (1907 TO DATE)  
25 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
3964 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 7 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 107-35-7 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Ethanesulfonic acid, 2-amino- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Taurine (8CI)  
OTHER NAMES:  
CN  $\beta$ -Aminoethylsulfonic acid ✓  
CN 1-Aminoethane-2-sulfonic acid  
CN 2-Aminoethanesulfonic acid  
CN 2-Aminoethansulfonic acid  
CN 2-Aminoethylsulfonic acid  
CN 2-Sulfoethylamine  
CN NSC 32428  
CN O-Due  
CN Taufon  
CN Taukard  
CN Tauphon  
FS 3D CONCORD  
DR 91105-79-2  
MF C2 H7 N O3 S  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS,  
BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,  
CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DETHERM\*, DRUGU,  
EMBASE, GMELIN\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS,  
NAPRALERT, PATDPASPC, PIRA, PROMT, RTECS\*, SPECINFO, SYNTHLINE,  
TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*, WHO  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



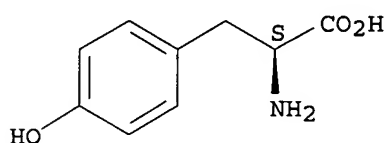
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

12978 REFERENCES IN FILE CA (1907 TO DATE)  
708 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
13011 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 8 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 60-18-4 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN L-Tyrosine (9CI) (CA INDEX NAME) ✓  
OTHER CA INDEX NAMES:  
CN Tyrosine, L- (8CI)  
OTHER NAMES:  
CN (-)- $\alpha$ -Amino-p-hydroxyhydrocinnamic acid  
CN (2S)-2-Amino-3-(4-hydroxyphenyl)propanoic acid  
CN (S)- $\alpha$ -Amino-4-hydroxybenzenepropanoic acid  
CN (S)-2-Amino-3-(4-hydroxyphenyl)propanoic acid  
CN (S)-Tyrosine  
CN 58: PN: US20040014159 SEQID: 33 unclaimed sequence  
CN Benzenepropanoic acid,  $\alpha$ -amino-4-hydroxy-, (S)-  
CN L-(-)-Tyrosine  
CN L-p-Tyrosine  
CN L-Phenylalanine, 4-hydroxy-

CN NSC 82624  
 CN NSC 9973  
 CN p-Tyrosine  
 CN Propanoic acid, 2-amino-3-(4-hydroxyphenyl)-, (S)-  
 CN Tyrosine  
 FS STEREOSEARCH  
 DR 140-43-2, 55520-40-6, 1991-85-1, 46209-14-7  
 MF C9 H11 N O3  
 CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS,  
 BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,  
 CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU,  
 EMBASE, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*,  
 MSDS-OHS, NAPRALERT, PATDPASPC, PHAR, PIRA, PROMT, PS, RTECS\*, SPECINFO,  
 SYNTHLINE, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*, WHO  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (-).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

43928 REFERENCES IN FILE CA (1907 TO DATE)  
 1165 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 43980 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 9 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN

RN 56-85-9 REGISTRY

ED Entered STN: 16 Nov 1984

CN L-Glutamine (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glutamine, L- (8CI)

OTHER NAMES:

CN (S)-2,5-Diamino-5-oxopentanoic acid

CN γ-Glutamine

CN 2-Aminoglutaramic acid

CN Acustasin

CN Aesgen 14

CN Cebrogen

CN Glumin

CN Glumin (amino acid)

CN Glutamax

CN Glutamic acid 5-amide

CN Glutamic acid amide

CN Glutamine

CN L-(+)-Glutamine

CN L-2-Aminoglutaramidic acid

CN L-Glutamic acid γ-amide

CN Levoglutamide

CN NSC 27421

CN Pentanoic acid, 2,5-diamino-5-oxo-, (S)-

CN Stimulina

FS STEREOSEARCH

DR 32640-56-5

MF C5 H10 N2 O3

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS,  
 BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,  
 CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM\*, DRUGU, EMBASE,

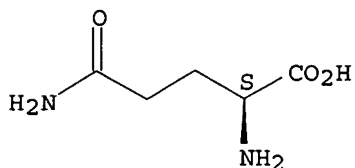
GMELIN\*, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH,  
IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PROMT, PS, RTECS\*, SYNTHLINE,  
TOXCENTER, USAN, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*, WHO

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

24245 REFERENCES IN FILE CA (1907 TO DATE)

474 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

24276 REFERENCES IN FILE CAPLUS (1907 TO DATE)

6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 10 OF 10 REGISTRY COPYRIGHT 2006 ACS on STN

RN 50-23-7 REGISTRY

ED Entered STN: 16 Nov 1984

CN Pregn-4-ene-3,20-dione, 11,17,21-trihydroxy-, (11 $\beta$ )- (9CI) (CA INDEX  
NAME)

OTHER CA INDEX NAMES:

CN Cortisol (8CI)

OTHER NAMES:

CN 11 $\beta$ ,17,21-Trihydroxypregn-4-ene-3,20-dione

CN 11 $\beta$ ,17,21-Trihydroxyprogesterone

CN 11 $\beta$ ,17 $\alpha$ ,21-Trihydroxypregn-4-ene-3,20-dione

CN 11 $\beta$ -Hydroxycortisone

CN 17-Hydroxycorticosterone

CN 17 $\alpha$ -Hydroxycorticosterone

CN 4-Pregnene-11 $\beta$ ,17 $\alpha$ ,21-triol-3,20-dione

CN Acticort

CN Aeroseb HC

CN Ala-Cort

CN Anflam

CN Anti-inflammatory hormone

CN CaldeCort Spray

CN CCN 90306A

CN Cetacort

CN Cobadex

CN Cort-Dome

CN Cortanal

CN Cortef

CN Cortenema

CN Corticreme

CN Cortifan

CN Cortiment

CN Cortispray

CN Cortonema

CN Cortril

CN Dermacort

CN Dermocortal

CN Dermolate

CN Dihydrocortisone

CN Dioderm

CN Domolene-HC

CN Efcorbin

CN Efcortelan

CN Eldecort

CN Epiderm H

CN Esiderm H  
 CN Evacort  
 CN Ficortril  
 CN Genacort  
 CN HC  
 CN Heb-Cort  
 CN Hidro-Colisona  
 CN Hycort  
 CN Hycortol  
 CN Hycortole  
 CN Hydracort  
 CN Hydrasson  
 CN Hydro-Adreson

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY

FS STEREOSEARCH

DR 8056-08-4, 8063-42-1, 80562-38-5

MF C21 H30 O5

CI COM

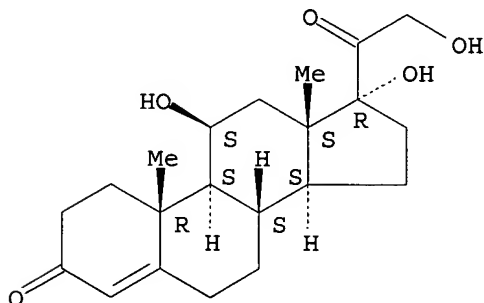
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS,  
 BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,  
 CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DETHERM\*, DRUGU,  
 EMBASE, HSDB\*, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSPATENTS,  
 IMSRESEARCH, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PHAR, PIRA,  
 PROMT, PS, RTECS\*, SCISEARCH, SPECINFO, SYNTHLINE, TOXCENTER, USAN,  
 USPAT2, USPATFULL, VETU

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*, WHO

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

37291 REFERENCES IN FILE CA (1907 TO DATE)

351 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

37322 REFERENCES IN FILE CAPLUS (1907 TO DATE)

20 REFERENCES IN FILE CAOLD (PRIOR TO 1967)